

KREBS & LANSING

Consulting Engineers, Inc.

June 21, 2011

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Kevin Burke
State of Vermont
Water Quality Division
Building 10 North
103 South Main Street
Waterbury, VT 05671-0408

RE: Engineering Feasibility Analysis - RDA
Holiday Inn Express 6297-9030
South Burlington, VT

Dear Kevin,

Please find enclosed a completed General Permit 3-9030 EFA Submittal Form and all pertinent information, including;

- 1) Authorization of Notice of Intent 6297-9030 1/11/2010.
- 2) EFA report describing feasibility of complying with VSWMM criteria (in cover letter).
- 3) Comprehensive Stormwater Inspection Report 6/20/2011.
- 4) Utility Plan, Sheet 4 – Last revised 6/20/2011.
- 5) Grading, Drainage and Erosion Control, Sheet 2 – Last revised 6/20/2011.
- 6) Detail Sheet, Sheet 8 – Last revised 6/20/2011.
- 7) Detail Sheet, Sheet 9 – Last revised 6/20/2011.

During our stormwater inspection we found a number of items that require repair, replacement or cleaning. The most significant improvement will be from cleaning the large stormwater tank near Route 7. When this tank is cleaned we will verify the outlet orifice is sized properly.

We also discovered that the overflow pipe in Catch Basin #1 requires a 90° elbow and stand pipe to comply with permit drawings. A small amount of grass lined flow and infiltration can be achieved in the grassed islands. The project was originally designed with curb cuts that allow stormwater from the parking lot to enter the grass islands.

Other miscellaneous repairs and cleaning include replacement of grade rings and cleaning of many sumps.

Kevin Burke
Holiday Inn Express 6297-9030
June 21, 2011

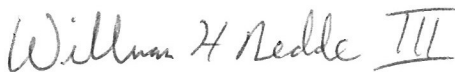

We discovered two areas of erosion on the south side of the existing building. We have found the soil to be highly erodible when sparsely vegetated. The shadows from trees and the building restrict dense grass cover on the south side of the building. We recommend diverting uphill (east) drainage to the asphalt parking instead of to the steep bank of the south branch of Bartlett Brook. The southerly eroded area can be remedied by diverting a portion of the runoff to a flat dispersal area or with the installation of a catch basin and stabilized discharge piping.

Due to the constrained nature of the property, we were not able to achieve Recharge Volume (Rev) criteria. Although we cannot meet the CPv, we can provide some detention after cleaning and repairing the existing underground tank. There is insufficient room for another detention facility. We are not able to provide treatment of water quality volume. The grass lined swales and detention tank are the only treatment devices on site.

Although we were not successful in achieving specific goals of EFA, we believe significant improvement will be made by ensuring the grass lined swales are operating and the tank is cleaned and repaired.

Please call if you have any questions or comments.

Sincerely,

William H. Nedde III, P.E.
WHN/hig


CC: Deb Sherman

09171: stormwater inspection/kevin burke ltr 6-21-11-Holiday Inn Express

General Permit 3-9030 EFA Submittal Form

TO ACCOMPANY NOTICE OF INTENT TO DISCHARGE STORMWATER
PURSUANT TO GENERAL PERMIT 3-9030

1. Applicant: Lark Inns LP
2. Permit number: 6297- 9030
3. Name of project: Holiday Inn Express
4. Location of project: 1720 Shelburne Road, South Burlington
5. Provide latitude and longitude of project (DD°MM'SS'')
Latitude: 44°25'29.75"
Longitude: 73°12'36.66"
6. Provide as an attachment all pertinent information from the analysis; including maps (e.g. site map, post development subwatershed map, BMP drainage map, etc.) and BMP information (e.g. storage information, orifice sizing, infiltration rate, etc.).
7. Designer's Certification: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my diligent inquiry of the person or persons who manage the system or actions required by this permit, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I also certify that the Engineering Feasibility Analysis was followed in accordance with General Permit 3-9030.


Original Signature of Stormwater Designer

DESIGNER
Title

WILLIAM H NEDJE
Print or Type Name



Vermont Department of Environmental Conservation

Water Quality Division

103 South Main Street, Building 10 North

Waterbury, VT 05671-0408

Agency of Natural Resources

[phone] 802-241-3770

[fax] 802-241-3287

January 11, 2010

Lark Inns, LP
John Larkin
410 Shelburne Road
South Burlington, VT 05403

**Re: National Pollutant Discharge Elimination System (NPDES) General Permit 3-9030
for Designated Discharges to the Bartlett, Centennial, Englesby, Morehouse and Poash
Brook Watersheds**

Authorization of Notice of Intent # 6297-9030

Dear Mr. Larkin,

The Department of Environmental Conservation has received the Notice of Intent (NOI) to seek coverage under the General Permit 3-9030. A ten-day comment period was provided after the NOI submittal. No public comments were received.

Enclosed is your copy of an Authorization to Discharge pursuant to General Permit 3-9030, which has been signed by the Stormwater Program Manager on behalf of the Commissioner of the Department of Environmental Conservation.

This authorizes the discharge of stormwater from Holiday Inn Express located on 1720 Shelburne Road in South Burlington, Vermont to Bartlett Brook. To maintain coverage under General Permit 3-9030, an Engineering Feasibility Analysis must be conducted and submitted to VTDEC in accordance with Appendix A of the permit by **June 30, 2011**.

Please read this Authorization to Discharge carefully and note the terms, conditions and eligibility provisions of General Permit 3-9030. If you have any questions, please call the Stormwater Section at (802) 241-3770.

Sincerely,

Jennifer Callahan
Environmental Analyst
Stormwater Program

For Department Use:

NOI Number: 60892-9030

Notice of Intent (NOI)
for Designated Discharges
Under National Pollution Discharge Elimination
General Permit 3-9030



For Category IV.A and IV.B Stormwater Discharges (Discharges from Residually Designated Sites from property with existing impervious surfaces that are subject to a previously issued state stormwater permit and property with existing impervious surfaces equal to or greater than one acre that do not have a previously issued state stormwater permit.)

A. Landowner Information

1. Name: Lark Inns, LP
2. Mailing Address:
a. Street/PO Box: 410 Shelburne Road
- b. City/Town: South Burlington c. State: Vermont d. Zip: 05403
3. Contact Information:
a. Phone: 802-864-7444 b. Fax: 802-864-0649 c. Email: debsherman@larkinrealt.net

B. Project Information

1. Project Name: Holiday Inn Express (a.k.a Harbor Inn)
2. Is this NOI being submitted in connection with a subdivision (e.g. residential or commercial subdivisions, condominiums and industrial parks)? ☐ Yes ☒ No
3. If Yes, Name of Development: _____
4. Location Address
a. Street: 1720 Shelburne Road b. City/ Town: South Burlington
5. Name(s) of receiving waters: Bartlett Brook
6. Existing VTDEC Stormwater Permit Number related to this project (if any): 2-1073
7. Act 250 Permit Number (if any): 4C0526-4 and amendments

PUBLIC COMMENT

Public comments concerning this Notice of Intent to discharge under General Permit No. 3-9030 are invited and must be submitted within 10 days of receipt of the NOI being posted on DEC's stormwater website (www.vtwaterquality.org/stormwater.htm) and on the Agency's Environmental Notice Bulletin (www.amr.state.vt.us/dec/enb/enb.htm). Comments should address how the application complies or does not comply with the terms and conditions of General Permit No. 3-9030. A letter of interest should be filed by those persons who elect not to file comments but who wish to be notified if the comment period is extended or reopened for any reason. All written comments received within the time frame described above will be considered by the Department of Environmental Conservation in its final ruling to grant or deny authorization to discharge under General Permit No. 3-9030.

Send written comments to:

VT Department of Environmental Conservation
Water Quality Division, Stormwater Section
103 South Main Street, Building 10 North
Waterbury, VT 05671-0408

Please cite the NOI number in any correspondence.

APPEALS

Pursuant to 10 V.S.A. Chapter 220, any appeal of this decision must be filed with the clerk of the Environmental Court within 30 days of the date of the decision. The appellant must attach to the Notice of Appeal the entry fee of \$250.00, payable to the state of Vermont.

The Notice of Appeal must specify the parties taking the appeal and the statutory provision under which each party claims party status; must designate the act or decision appealed from; must name the Environmental Court; and must be signed by the appellant or their attorney. In addition, the appeal must give the address or location and description of the property, project or facility with which the appeal is concerned and the name of the applicant or any permit involved in the appeal.

The appellant must also serve a copy of the Notice of Appeal in accordance with Rule 5(b)(4)(B) of the Vermont Rules for Environmental Court Proceedings. For further information, see the Vermont Rules for Environmental Court Proceedings, available on line at www.vermontjudiciary.org. The address for the Environmental Court is 2418 Airport Road, Suite 1, Barre, VT 05641 (Tel. # 802-828-1660). A copy of General Permit No. 3-9030 may be obtained by calling (802) 241-3770; by visiting the Department at the above address between the hours of 7:45 am and 4:30 pm; or by downloading from the Water Quality Division's Web site at www.vtwaterquality.org.

INFORMATION FOR MUNICIPAL CLERK: Title 10 Chapter 47 §1263(b) provides for the public notice of an applicant's intent to discharge stormwater runoff associated with construction activity. Please post this notice and instruction sheet in a conspicuous place for 10 days from the date received. If you have any questions, contact the Water Quality Division of the Department of Environmental Conservation at (802) 241-3770. Please date this below as to when it was posted. Thank you for your assistance.

DATE OF POSTING: 12/16/09 *[Signature]*

Submit Original Form to:
VT DEC, Water Quality Division
103 South Main Street, Bldg 10 North
Waterbury, VT 05671

STORMWATER REVIEW SITE VISIT

JOB: Holiday Inn Express **DATE:** June 2011

ADDRESS: 1700 Shelburne Road
South Burlington, Vermont

PERMIT #: 6297-9030

CONTACT: Deb Sherman, Larkin Realty

Storm water review completed by: William H. Nedde III, Krebs & Lansing Consulting Engineers

STMh #1 (Northeast corner of restaurant)

- 26" round solid frame and cover, 6.5" height, excellent condition
- 9" concrete ring, good condition
- 6' diameter concrete storm manhole, good condition
- 12" PVC inlet
- 21" PVC Inlet
- 21" PVC outlet
- 102" rim to inv. out
- 3" sump – **Clean small amount of silt**
- No steps

Recommendations: **Clean small amount of silt**

Catch Basin #1 (not accessible)

- 24" x 24" cast iron frame and grate, checkerboard, 8" height, excellent condition
- 30" PVC to storm tank
- 18" PVC to overflow

Recommendations: Place 90° bend on 18" overflow pipe and secure

Catch Basin #1A

- 24" x 24" cast iron frame and grate, checkerboard, 8" height, excellent condition
- 7" concrete grade ring, excellent condition
- 5' diameter concrete catch basin, excellent condition
- 30" Spiral wrap inlet
- 30" Spiral wrap outlet
- 93.5" rim to water
- 3" sump – no debris
- No steps

Recommendations: None

Catch Basin #1B

- 24" x 24" cast iron frame and grate, checkerboard, 8" height, excellent condition
- 4" concrete grade ring, excellent condition
- 5' diameter concrete catch basin, good condition
- 30" Spiral wrap inlet
- 30" Spiral wrap outlet
- 95.5" rim to invert out
- 24" sump – no debris
- No steps

Recommendations: None

Catch Basin #5

- 24" x 24" cast iron frame and grate, checkerboard, 8" height, excellent condition
- 14.5" concrete grade ring, excellent condition
- 5' diameter concrete catch basin, good condition
- 12" PVC inlet
- 12" PVC inlet
- 15" Spiral outlet
- 15" Spiral outlet
- 93" rim to water
- 96" rim to bottom
- 3" sump – no debris
- Polyethylene steps

Recommendations: **Regrade grass from curb cut to Catch Basin #5**

Catch Basin #4

- 24" x 24" cast iron frame and grate, checkerboard, 8" height, good condition
- 7" concrete brick, good condition
- 28" cinder block, good condition
- 5' diameter concrete catch basin, good condition
- 12" PVC inlet
- 18" PVC inlet
- 21" PVC outlet
- 114" rim to water (inv. out)
- 24" sump/10" silt – **clean sump**
- No steps

Recommendations: **Clean sump, grade low area in curb line between trees**

Catch Basin #2

- 24" x 24" cast iron frame and grate, checkerboard, 8" height, excellent condition
- 9" concrete brick, **replace**
- 4' diameter concrete catch basin, good condition
- 77" rim to water
- 24" sump/10" silt – clean sump
- No steps

Recommendations: **Replace concrete brick, clean sump, lower rim and adjust adjoining pavement to grade to catch basin**

Catch Basin #3

- 24" x 24" cast iron frame and grate, checkerboard, 8" height, excellent condition
- 10" concrete brick, **replace**
- 4' diameter concrete catch basin, excellent condition
- 12" PVC outlet
- 24" sump/full of silt – **clean sump**

Recommendations: **Replace concrete brick, clean sump, lower rim to collect runoff**

Catch Basin #6

- 24" x 24" cast iron frame and grate, checkerboard, 8" height, excellent condition
- 4" concrete brick, **replace**
- 4' diameter concrete catch basin, good condition
- 12" PVC outlet
- 74" rim to invert out
- 24" sump/full of silt – **clean sump**
- No steps

Recommendations: **Replace concrete brick and clean sump**

Catch Basin #8

- 24" x 24" cast iron frame and grate, checkerboard, 8" height, excellent condition
- 9" concrete riser, good condition
- 4' diameter concrete catch basin, good condition
- (4) 4" PVC pipes inlet
- 15" PVC inlet
- 15" PVC outlet
- 89" rim to water
- 94" rim to silt
- 24" sump/19" of silt – **clean sump**
- No steps

Recommendations: **Clean sump, regrade low spot between trees**

Catch Basin #7

- 24" x 24" cast iron frame and grate, checkerboard, 8" height, excellent condition
- 5" concrete brick, **replace**
- 4' diameter concrete catch basin, good condition
- 12" PVC outlet
- 24" sump/silt is full – **clean sump**
- No steps

Recommendations: **Replace concrete brick, clean sump**

Storm Tank ≈ 50'5" x 17'

Concrete Headwall from Tank/Overflow

- 18" PVC from overflow
- 15" PVC from tank
- No evidence of flow from tank

HOLIDAY INN EXPRESS TANK

North Rim

- 24" diameter cast iron frame and grate, slotted, 3" height, excellent condition
- 12" concrete brick risers, fair condition
- 85" rim to water
- 104" rim to silt
- 121" rim to bottom of tank

Recommendations: **Clean tank**

South Rim

- 24" diameter cast iron frame and grate, slotted, 3" height, excellent condition
- 3" concrete brick risers, good condition
- 137" rim to water
- 147" rim to silt
- 150" rim to bottom of tank

Recommendations: **Clean tank**